



Figure 1

1	MWSWKCLLFWAVLVTATLCT	TLPEQAQPWGAPVEVESFLVHPGDL	1	RRDDVQSIINWLRDGVQLAE	75
2	MWSWKCLLFWAVLVTAT	SPTLPEQAQPWGAPVEVESFLVHPGDL		RRDDVQSIINWLRDGVQLAE	75
3	MWSWKCLLFWAVLVTAT	PSPTLPEQ			30
4	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ				30
5	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ				30
6	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ				30

ARR				
	SNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSS	EDDDDDDDSSSEKETDNTKPN		148
	SNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSS	EDDDDDDDSSSEKETDNTKPN		150
		DALPSS	EDDDDDSSSEKETDNTKPN	59
		DALPSS	EDDDDDSSSEKETDNTKPN	61
		DALPSS	EDDDDDSSSEKETDNTKPN	59
		DALPSS	EDDDDDSSSEKETDNTKPN	61

2									
	VAPYWTSP	EXMEKKLHAVPAAKTVKFCPS	SGTNP	TLRWLXNGKEFKPDHRI	GGYKVR	YATWSI	IMDSVVP	SDK	223
	VAPYWTSP	EXMEKKLHAVPAAKTVKFCPS	SGTNP	TLRWLXNGKEFKPDHRI	GGYKVR	YATWSI	IMDSVVP	SDK	225
	VAPYWTSP	EXMEKKLHAVPAAKTVKFCPS	SGTNP	TLRWLXNGKEFKPDHRI	GGYKVR	YATWSI	IMDSVVP	SDK	134
	VAPYWTSP	EXMEKKLHAVPAAKTVKFCPS	SGTNP	TLRWLXNGKEFKPDHRI	GGYKVR	YATWSI	IMDSVVP	SDK	136
	VAPYWTSP	EXMEKKLHAVPAAKTVKFCPS	SGTNP	TLRWLXNGKEFKPDHRI	GGYKVR	YATWSI	IMDSVVP	SDK	134
	VAPYWTSP	EXMEKKLHAVPAAKTVKFCPS	SGTNP	TLRWLXNGKEFKPDHRI	GGYKVR	YATWSI	IMDSVVP	SDK	135

P2									
	GNVTCIVENEYGS	INHTYQLDVVERS	PHRP	ILQAGLP	ANKT	VALGSNVE	FCKVYSDP	QPHIQWLKHIEVNGSKI	298
	GNVTCIVENEYGS	INHTYQLDVVERS	PHRP	ILQAGLP	ANKT	VALGSNVE	FCKVYSDP	QPHIQWLKHIEVNGSKI	300
	GNVTCIVENEYGS	INHTYQLDVVERS	PHRP	ILQAGLP	ANKT	VALGSNVE	FCKVYSDP	QPHIQWLKHIEVNGSKI	209
	GNVTCIVENEYGS	INHTYQLDVVERS	PHRP	ILQAGLP	ANKT	VALGSNVE	FCKVYSDP	QPHIQWLKHIEVNGSKI	211
	GNVTCIVENEYGS	INHTYQLDVVERS	PHRP	ILQAGLP	ANKT	VALGSNVE	FCKVYSDP	QPHIQWLKHIEVNGSKI	209
	GNVTCIVENEYGS	INHTYQLDVVERS	PHRP	ILQAGLP	ANKT	VALGSNVE	FCKVYSDP	QPHIQWLKHIEVNGSKI	211

P3									
	GPDNL	PYVQILKTAGVNTTD	KEMVLHLRNVS	FEDAGEYTC	LAGNSIGLSHHS	AWLTVLE	EALEERPAVMTS	PLYL	373
	GPDNL	PYVQILKTAGVNTTD	KEMVLHLRNVS	FEDAGEYTC	LAGNSIGLSHHS	AWLTVLE	EALEERPAVMTS	PLYL	375
	GPDNL	PYVQILKTAGVNTTD	KEMVLHLRNVS	FEDAGEYTC	LAGNSIGLSHHS	AWLTVLE	EALEERPAVMTS	PLYL	284
	GPDNL	PYVQILKTAGVNTTD	KEMVLHLRNVS	FEDAGEYTC	LAGNSIGLSHHS	AWLTVLE	EALEERPAVMTS	PLYL	286
	GPDNL	PYVQILKTAGVNTTD	KEMVLHLRNVS	FEDAGEYTC	LAGNSIGLSHHS	AWLTVLE	EALEERPAVMTS	PLYL	284
	GPDNL	PYVQILKTAGVNTTD	KEMVLHLRNVS	FEDAGEYTC	LAGNSIGLSHHS	AWLTVLE	EALEERPAVMTS	PLYL	286

TM									
	EIIIIYCTGAFLIS	CMVGSVIVYKMKSGTKKSD	FHSQMAVHK	LAKS	IP	LRRQVTV	SADSSASMNSGVLLVR	PSRLS	448
	EIIIIYCTGAFLIS	CMVGSVIVYKMKSGTKKSD	FHSQMAVHK	LAKS	IP	LRRQVTV	SADSSASMNSGVLLVR	PSRLS	450
	EIIIIYCTGAFLIS	CMVGSVIVYKMKSGTKKSD	FHSQMAVHK	LAKS	IP	LRRQVTV	SADSSASMNSGVLLVR	PSRLS	359
	EIIIIYCTGAFLIS	CMVGSVIVYKMKSGTKKSD	FHSQMAVHK	LAKS	IP	LRRQVTV	SADSSASMNSGVLLVR	PSRLS	361
	EVSWEQR	PMGGAGL							300
	EVSWEQR	PMGGAGL							302

TK					
	SSGT?	MLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCF	GQVVLAE	AIGLDKDKPNRVTKVAVKMLKSDATEKDL	523
	SSGT?	MLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCF	GQVVLAE	AIGLDKDKPNRVTKVAVKMLKSDATEKDL	525
	SSGT?	MLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCF	GQVVLAE	AIGLDKDKPNRVTKVAVKMLKSDATEKDL	434
	SSGT?	MLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCF	GQVVLAE	AIGLDKDKPNRVTKVAVKMLKSDATEKDL	436

	SDLISEMEMMKGKHKNI	INLLGACTQDGP	LYVIVEYASKGNLREYLQARRP	PGLEYCYNPSHNP	EQLSSKDL	598
	SDLISEMEMMKGKHKNI	INLLGACTQDGP	LYVIVEYASKGNLREYLQARRP	PGLEYCYNPSHNP	EQLSSKDL	600
	SDLISEMEMMKGKHKNI	INLLGACTQDGP	LYVIVEYASKGNLREYLQARRP	PGLEYCYNPSHNP	EQLSSKDL	509
	SDLISEMEMMKGKHKNI	INLLGACTQDGP	LYVIVEYASKGNLREYLQARRP	PGLEYCYNPSHNP	EQLSSKDL	511

	VSCAYQVARGMEYLASKKCI	HRDLAARNVLVTEDNVMKIA	DFGLARDIHHIDYKKT	TNGRLPVKWM	APALFDR	673
	VSCAYQVARGMEYLASKKCI	HRDLAARNVLVTEDNVMKIA	DFGLARDIHHIDYKKT	TNGRLPVKWM	APALFDR	675
	VSCAYQVARGMEYLASKKCI	HRDLAARNVLVTEDNVMKIA	DFGLARDIHHIDYKKT	TNGRLPVKWM	APALFDR	584
	VSCAYQVARGMEYLASKKCI	HRDLAARNVLVTEDNVMKIA	DFGLARDIHHIDYKKT	TNGRLPVKWM	APALFDR	586

TK					
	IYTHQSDVWSFGVLLWE	IFTLGGS	PYPGPVVEELFKLLKEGHRMDK?	SNCTNELYMMRDCWHAVPSQRPTFKQL	743
	IYTHQSDVWSFGVLLWE	IFTLGGS	PYPGPVVEELFKLLKEGHRMDK?	SNCTNELYMMRDCWHAVPSQRPTFKQL	750
	IYTHQSDVWSFGVLLWE	IFTLGGS	PYPGPVVEELFKLLKEGHRMDK?	SNCTNELYMMRDCWHAVPSQRPTFKQL	659
	IYTHQSDVWSFGVLLWE	IFTLGGS	PYPGPVVEELFKLLKEGHRMDK?	SNCTNELYMMRDCWHAVPSQRPTFKQL	61

	VEDLDRIVALTSNQEYLDLSMPLDQYSP	SFPDTRSSTCSSGSDSVFSHEPLPEEPCLPRHPAQLANGGLKRR	820
	VEDLDRIVALTSNQEYLDLSMPLDQYSP	SFPDTRSSTCSSGSDSVFSHEPLPEEPCLPRHPAQLANGGLKRR	822
	VEDLDRIVALTSNQEYLDLSMPLDQYSP	SFPDTRSSTCSSGSDSVFSHEPLPEEPCLPRHPAQLANGGLKRR	731
	VEDLDRIVALTSNQEYLDLSMPLDQYSP	SFPDTRSSTCSSGSDSVFSHEPLPEEPCLPRHPAQLANGGLKRR	733

Figure 2